

Work Order ID 153693

Thursday, November 24, 2016

Page 1

Item ID: Revision ID:

Item Name:

Draw Nbr:

Start Date: 11/24/2016 1

Start Qty: 1.0000

Revision Nbr

Required Date: 11/24/2016 1

Reqd Qty: 1.0000

Reference: ECN 16-677

Cust Item ID:

Customer ID:

Description: UPDATE P/W D412-761

Sales Order:

DOCUMENT SR03832NY AND FMS D412-761-EPI REV C

Approvals: Process Plan: **DAS 21 9-89** Date: **NOV 24 2016** Tooling: Date:
QC: Date: SPC (Y/N): Date:

Sequence	Work Center	Operation	Hours		Tool ID	Tool #	Plan	Accept	Reject	Reject	Insp.
			Set Up	Run							

DAS
28
9-89

FEB 07 2017

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

List Lots

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Monday, November 28, 2016 8:15:52 AM

Criteria : Item ID: 'D412-761-041', 'D412-761-041A', 'D412-761-041RevD', 'D412-761-043', 'D412-761-045', 'D412-761-045RevD', 'D412-761-047', 'D412-761-049', 'D412-761-051', 'D412-761-053', 'D412-761-141', 'D412-761-141RevD' All Locations All Warehouses All Quantity

Item ID Item Name	Warehouse ID Location ID	Lot Number	Last Trans Date	Lot Qty	Shelf Life Dt	Lot Code	Type Code	Comments
D412-761-043 Modified Latch Mechanism, LH	Main Warehouse FG020	144456	11/10/2016	3.0000		QC21	CHG002	on order 2x sold DAS 28 9-89
Total:				3.0000				
D412-761-045 Bubble Window	Main Warehouse FG100	150230	10/27/2016	1.0000		QC21	CHG003	sold DAS 28 9-89
Total:				1.0000				
D412-761-047 Instrument Panel	Main Warehouse FG020	150454	11/10/2016	1.0000		QC21	CHG002	DAS 28 9-89
Total:				1.0000				
D412-761-053 Door Mounted Instrument Panel, LH	Main Warehouse FG020	116704	5/4/2016	1.0000				DAS 28 9-89
Total:				1.0000				
D412-761-141 Vent Provisions	Main Warehouse FG020	83162	5/10/2016	2.0000		QC21	CHG001	DAS 28 9-89
Total:				2.0000				

ENGINEERING CHANGE NOTICE

DART AEROSPACE LTD

Date: 16.11.21	Job No.:	ADR Yes/No: N	ADR Date:	ECN #: 16- 677
Product No.: D412-761		Created By: KJ	Approved By: <i>[Signature]</i>	
Product Name: Full Vertical Reference Door		Checked By: <i>ASS</i>		

Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)
Director of Operations	N	DM	
Production Manager / Coord.	Y	MP/VS	
Purchasing Manager / Purchasing Coord.	N	LL / CL	
Production Engineering Coord.	N	DD / JLM	
Production Engineering Coord.	N	DL	
Customer Order Processing	N	SL / MF	

Distribution	Reqd	Resp	Initial / Date (YY/MM/DD)
DQA / QA Coord.	Y	PS / ED	
QC Coordinator	Y	PD	
Customer Support	Y	SW / LM	
Customer Technical Support	Y	MB / HS	
Marketing	Y	SL / WR	
Dist. Management Coord.	Y	HM	

Reason for Change:

Documents Affected:

Release FAA STC SR03832NY dated 16.11.16, FMS-D412-761-EPI Rev C (supercedes Rev B)

IF APPLICABLE: NCR: PAR: CAR: CIR: URF:

PAPERWORK UPDATE

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PARTS MUST COMPLY

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PREVIOUS PARTS SATISFACTORY

☐

#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
1	Notify Previous Customers	N			
2	Notify Eurocopter France	N			
3	Notify Augusta Westland	N			
4	Manufacturing Licensing Agreement Update	N			

#	Engineering Actions	Reqd	Resp	Notes	Complete
5	Required Documents/Drawings/Item ID's Under Review (URF)	N			
6	Update Master Document List (MDL)	Y	HS/VS	MDL-D412-761 Rev C (supercedes Rev B)	<i>[Signature]</i> 16.11.22
7	Update Document Record (DR)	N			
8	Update Product Compatability Matrix	N			
9	Notify TC / FAA of Change (eg. ICA, 8110-3)	N			
10					

#	Document Control Actions	Reqd	Resp	Notes	Complete
11	Move / Update Electronic Files / Design Journal	N			
12	Update Product Specification Files (Bluefiles)	Y	KJ		16.11.22 <i>[Signature]</i>
13	Update Approved/Preliminary Dwg PDF Files	N			
14	Update Product Development Summary (STC applications)	Y	KJ		16.11.22 <i>[Signature]</i>
15	Update QSI 021 (TC/FAA STC) and/or STC Approval List	Y	KJ		16.11.22 <i>[Signature]</i>
16	Create/Update Parts / STC Database	Y	KJ		16.11.22 <i>[Signature]</i>
17	Update / Verify Airworthiness Release Certificate Database	N			
18	Create / Update Change Record Form / Item Card Database	N			
19	Create / Update Packaging Process Plan (PPP)	Y	KJ	D412-761-047/-049/-051/-053	16.11.22 <i>[Signature]</i>
20	Red Decals required on Packaging Process Plan (PPP)?	Y	KJ	Add FAA STC to red decal	16.11.22 <i>[Signature]</i>
21	Update Controlled Supplier Documents (Qpulse) Database	N			
22	Update Grey Project Binder / Electronic Project Folder	Y	KJ		16.11.22 <i>[Signature]</i>
23	Update D-Part / M-Drawing / DSI / DEO Master Binders	N			
24	Update "Royalty Paid to" attribute (Parts sold under Dart USA STC's)	N			
25					

Description / Action:

Please add this STC & FMS to all kits in stock and in progress.

power

B153693

NOV 24 2016

ECN Verified & Complete: Date:

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

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Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	

Root Cause				FAULT CATEGORY			
Environment ☐	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐
Design ☐	☐	Operator	☐	Bending	☐	Set-up	☐
Doc/Data ☐	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐
Equip/Tooling ☐	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐
Handling/Pre ☐	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐
Material ☐	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐
Internal Transport ☐	☐	Poor Information	☐	Crushing	☐	Countersink	☐
Tribal Knowledge ☐	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐
LOA ☐	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐
Substation ☐	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐
Past Expiry Date ☐	☐	Manufacturing Process	☐	OTHER : _____			
Misidentified ☐	☐	Past Due	☐				